



the value of custom-made chemistry

lamberti spa

ABOUT US | PRODUCTS & MARKETS | PURCHASING DEPT | NEWS | TECHNOLOGIES | CONTACTS | JOB | **SEARCH**

► **Technologies** ► Water-Based Polyurethanes

Water-Based Polyurethanes

Carboxymethylcellulose

■ Guar derivatives

■ Acrylic Polymers

Water-Based

■ **Polyurethanes**

■ Enzyme Derivatives

Polymers Polyurethane Applications

	LEATHER : furnishing, wear, shoes, bags, ...
	COATING : paints for wood - frame, furniture, parquet...
	TEXTILE : oil and water treatment, resistance anti-stain,...

Applications and Products

---> **Coatings**

Polyurethane dispersions are employed like covering/coating protective for wood and plastic material as PVC, due to their high resistance to the abrasion, scratch, and solvents.

---> **Adhesives**

Polyurethane dispersions are used as adhesives in shoe sector, for bags, foam, interior decoration and in automotive field.

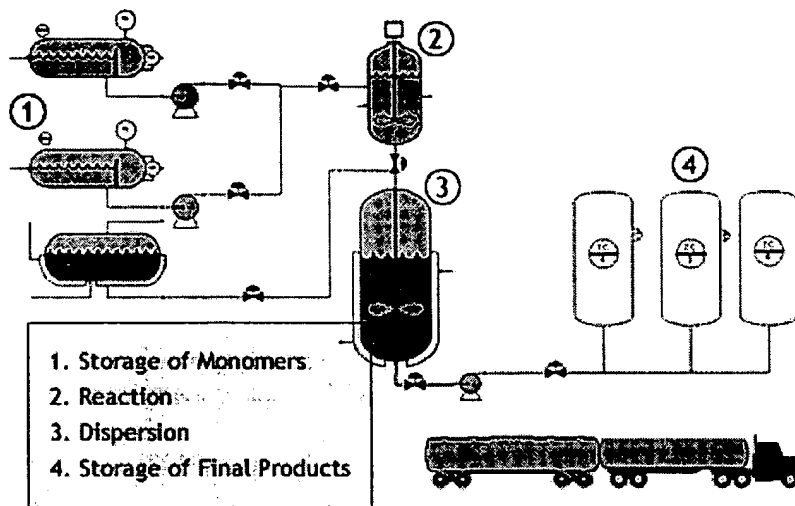
---> **Leather**

Polyurethane dispersions are employed as finishing of skins to improve surface appearance and resistance to the abrasion and light.

---> **Textile**

Polyurethane dispersions modify textile esthetical aspect as flexibility at touch.

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■ Production Process & PU Families

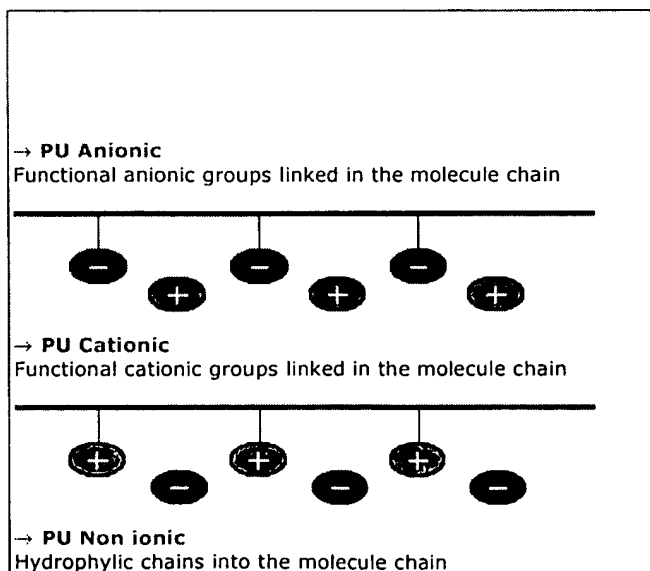
LAMBERTI produces PU in three different ways of polymerization

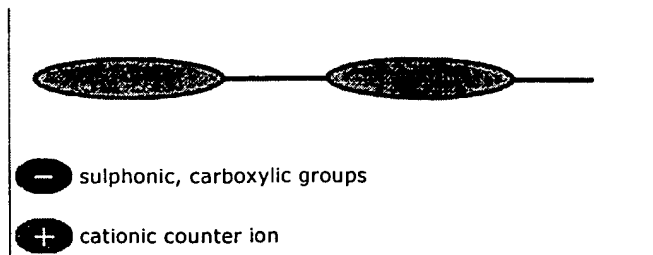
Type of Polymerization		Type of Chemical Nature
<ul style="list-style-type: none"> ■ Fusion ■ Acetone Process ■ Prepolymer Mixing Process 	← to obtain this three → families	<ul style="list-style-type: none"> ■ Anionic ■ Cationic ■ Non Ionic


 **Raw Materials** **GO →**

 up...6

■ Polyurethanes Technologies





 **Synthesis Procedures - Polyurethane Graft-Acrylic Copolymers** **GO →**

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 **Synthesis Procedures - Prepolymer Mixing Process** **GO →**